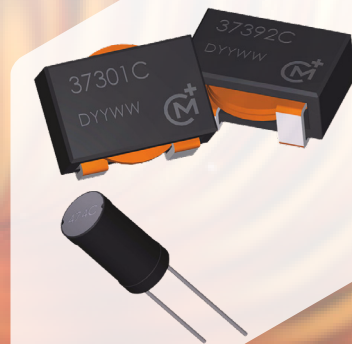


Murata Power Solutions

Power Magnetics

Product Selection Guide

- Inductors
- Transformers
- Common-Mode Chokes



Magnetic Products

Two essential elements of the vast majority of power electronics applications are filtering and isolation. Whether you need to reduce noise or protect vital components, Murata Power Solutions can offer a wide range of products to suit your requirements.

With an emphasis on miniaturization, reliability and ease of handling, our designs are available in a variety of styles including bobbin, radial, axial and surface-mount.

- Inductors
- Pulse transformers
- Common-mode chokes
- Current sensing transformers
- Databus isolators
- Agency approved transformers
- Reference designs
- Custom designs

Index

Series	Through Hole	Surface Mount	Shielded	Unshielded	Rated Current				Inductance Range								Page			
					10mA	100mA	1A	10A	10nH	100nH	1µH	10µH	100µH	1mH	10mH	100mH				
1100R	✓			✓	140mA	3A					1.0µH	470µH								
2200R	✓			✓	18mA	1.62A					10µH	68mH								4
1700	✓			✓	20mA	1.8A					10µH	68mH								
1300R	✓			✓	40mA	6.3A					1.5µH	68mH								
1800R	✓			✓	130mA	5.35A					4.7µH	10mH								
1900R	✓			✓	70mA	7.8A					4.7µH	100mH								5
1500	✓			✓	910mA	16.2A					1.0µH	1.0mH								
1400	✓			✓	400mA	13A					10µH	22mH								
1200LRS	✓		✓		73mA	4.7A					6.8µH	22mH								6
1200RS	✓		✓		440mA	4.6A					10µH	1.0mH								
8200		✓		✓	70mA	2A					1µH	470µH								
8400		✓		✓	50mA	2.8A					1µH	2.2mH								7
3400		✓	✓		90mA	2.5A					1.2µH	1.0mH								
2700T		✓		✓	130mA	2A					1µH	330µH								
2700		✓		✓	110mA	1.6A					4.7µH	1.0mH								
2900		✓	✓		180mA	6A					1µH	1.0mH								
2300		✓		✓	430mA	2.1A					2.2µH	100µH								8
2300S		✓	✓		250mA	2.1A					2.2µH	220µH								
2400		✓		✓	350mA	2.6A					2.7µH	220µH								
2400S		✓	✓		350mA	3.1A					2.7µH	220µH								
2600		✓		✓	280mA	4.4A					3.3µH	680µH								9
2600S		✓	✓		400mA	4.6A					3.3µH	680µH								
2200RM		✓		✓	26mA	2.52A					10µH	68mH								
4500		✓	✓		230mA	8A					280nH	1.0mH								10

Series	Through Hole	Surface Mount	Shielded	Unshielded	Rated Current				Inductance Range							Page		
					10mA	100mA	1A	10A	10nH	100nH	1µH	10µH	100µH	1mA	10mA		100mA	
4600		✓	✓			270mA		8.7A		280nH					1.0mH			10
4800S		✓	✓			520mA		10A			1µH				1.0mH			
4900S		✓	✓			500mA		11.8A			1µH				1.0mH			
4700		✓	✓			1.01A		9.5A			1µH				400µH			11
4800		✓	✓			1.23A		12.3A			1µH				400µH			
4900		✓	✓			950mA		9.5A			2.2µH				880µH			
8300		✓		✓		240mA		3A		420nH				100µH				
3200	✓			✓		450mA		4.5A				10µH			1.0mH			12
3300	✓			✓		760mA		7.6A				10µH			1.0mH			
3600		✓	✓				3.6A	14.5A		400nH		4.7µH						
3700		✓		✓			9A	19.5A		300nH		3.9µH						
3800		✓		✓			4.8A	18A		150nH		8.8µH						13
3900		✓		✓			5A	19.5A		350nH		10µH						
6000A		✓		✓			4.9A	14.5A				5.8µH		57.8µH				
6000B		✓		✓			3.0A	10.5A				47µH		680µH				
3000A		✓	✓				22A	37A		80nH		191nH						14
3000B		✓	✓				29A	37A		85nH		200nH						
3000D		✓		✓				40A		90nH		155nH						

Common Mode Chokes	Series	Through Hole	Surface Mount	Page
	5000		✓	15
	5000A		✓	16
	5100	✓		15
	5200	✓		

General Purpose Pulse Transformers	Series	Through Hole	Surface Mount	Page
	766	✓		16
	786(J)	✓	✓	17
	1000	✓		18
	782100	✓		
	78250(J)	✓	✓	19
	78253(J)	✓	✓	20
76250ENC 76253/XXENC	✓			

Application Specific Transformers	Series	Through Hole	Surface Mount	Page
	782482	✓		20
	782485	✓		21
	DA100(J)	✓	✓	
Current Sensing Transformers	5300		✓	22
	5400		✓	23
	5600	✓		

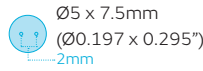
Inductors

**THROUGH HOLE
UNSHIELDED**



1100R Series

Inductance:	1μH - 470μH
Current:	Up to 3.0A _{dc}
Operating temp:	-40 to +85°C
Height:	7.5mm (0.30")



Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
1.0	3.00	0.02	11R102C
1.5	2.40	0.03	11R152C
2.2	1.90	0.05	11R222C
3.3	1.50	0.07	11R332C
4.7	1.30	0.09	11R472C
6.8	1.10	0.10	11R682C
10	0.95	0.14	11R103C
15	0.80	0.19	11R153C
22	0.65	0.27	11R223C
33	0.55	0.42	11R333C
47	0.50	0.54	11R473C
68	0.40	0.85	11R683C
100	0.35	1.10	11R104C
150	0.30	1.65	11R154C
220	0.24	2.40	11R224C
330	0.19	3.60	11R334C
470	0.14	6.40	11R474C

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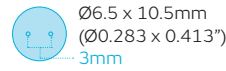


**THROUGH HOLE
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2200R Series

Inductance:	10μH - 68mH
Current:	Up to 1.62A _{dc}
Operating temp:	-25 to +70°C
Height:	10.5mm (0.41")



Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
10	1.62	0.05	22R103C
15	1.35	0.07	22R153C
22	1.08	0.09	22R223C
33	0.90	0.14	22R333C
47	0.77	0.22	22R473C
68	0.77	0.28	22R683C
100	0.67	0.39	22R104C
150	0.52	0.54	22R154C
220	0.43	0.83	22R224C
330	0.38	1.21	22R334C
470	0.31	1.65	22R474C
680	0.25	2.64	22R684C
1mH	0.17	3.63	22R105C
1.5mH	0.13	6.49	22R155C
2.2mH	0.11	8.58	22R225C
3.3mH	0.10	11.0	22R335C
4.7mH	0.081	15.0	22R475C
6.8mH	0.072	22.0	22R685C
10mH	0.063	37.4	22R106C
15mH	0.054	51.7	22R156C
22mH	0.045	82.5	22R226C
33mH	0.036	118.8	22R336C
47mH	0.027	169.4	22R476C
68mH	0.018	242.0	22R686C

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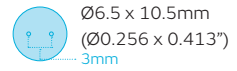


**THROUGH HOLE
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1700 Series

Inductance:	10μH - 68mH
Current:	Up to 1.8A _{dc}
Operating temp:	0 to +70°C
Height:	10.5mm (0.41")



Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
10	1.80	0.05	17103C
15	1.50	0.06	17153C
22	1.20	0.08	17223C
33	1.00	0.13	17333C
47	0.86	0.20	17473C
68	0.85	0.26	17683C
100	0.74	0.35	17104C
150	0.58	0.49	17154C
220	0.48	0.75	17224C
330	0.42	1.10	17334C
470	0.34	1.50	17474C
680	0.28	2.40	17684C
1mH	0.19	3.30	17105C
1.5mH	0.15	5.90	17155C
2.2mH	0.12	7.80	17225C
3.3mH	0.11	10.0	17335C
4.7mH	0.09	13.6	17475C
6.8mH	0.08	20.0	17685C
10mH	0.07	34.0	17106C
15mH	0.06	47.0	17156C
22mH	0.05	75.0	17226C
33mH	0.04	108.0	17336C
47mH	0.03	154.0	17476C
68mH	0.02	220.0	17686C

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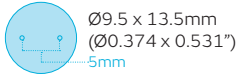


**THROUGH HOLE
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1300R Series

Inductance:	1.5µH - 68mH
Current:	Up to 6.3A _{dc}
Operating temp:	-40 to +85°C
Height:	13.5mm (0.53")



Inductance	Current	DC Resistance	Model Number
µH	A	Ω	
1.5	6.3	0.008	13R152C
2.2	5.3	0.010	13R222C
3.3	4.8	0.013	13R332C
4.7	4.3	0.017	13R472C
6.8	3.5	0.023	13R682C
10	3.0	0.031	13R103C
15	2.5	0.042	13R153C
22	2.0	0.070	13R223C
33	1.8	0.092	13R333C
47	1.5	0.110	13R473C
68	1.3	0.150	13R683C
100	1.0	0.240	13R104C
150	0.82	0.330	13R154C
220	0.70	0.470	13R224C
330	0.58	0.640	13R334C
470	0.45	1.05	13R474C
680	0.42	1.50	13R684C
1mH	0.33	2.10	13R105C
1.5mH	0.28	3.10	13R155C
2.2mH	0.24	4.50	13R225C
3.3mH	0.19	7.0	13R335C
4.7mH	0.16	9.3	13R475C
6.8mH	0.13	13.5	13R685C
10mH	0.085	23.8	13R106C
15mH	0.080	31.0	13R156C
22mH	0.070	48.0	13R226C
33mH	0.060	68.0	13R336C
47mH	0.045	120.0	13R476C
68mH	0.040	152.0	13R686C

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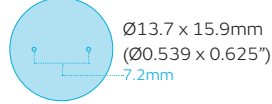


**THROUGH HOLE
UNSHIELDED**



1800R Series

Inductance:	4.7µH - 10mH
Current:	Up to 5.35A _{dc}
Operating temp:	0 to +70°C
Height:	15.9mm (0.63")



Inductance	Current	DC Resistance	Model Number
µH	A	mΩ	
4.7	5.35	9.0	18R472C
6.8	4.15	12.0	18R682C
10	3.45	15.0	18R103C
15	3.00	18.0	18R153C
22	2.42	25.0	18R223C
33	2.00	40.0	18R333C
47	1.65	55.0	18R473C
68	1.35	70.0	18R683C
100	1.20	100.0	18R104C
150	1.10	165.0	18R154C
220	0.90	230.0	18R224C
250	0.80	255.0	18R254C
330	0.73	335.0	18R334C
470	0.60	465.0	18R474C
680	0.53	630.0	18R684C
1.0mH	0.44	1.0Ω	18R105C
1.5mH	0.33	1.5Ω	18R155C
2.2mH	0.30	2.2Ω	18R225C
3.3mH	0.22	3.5Ω	18R335C
4.7mH	0.20	4.6Ω	18R475C
6.8mH	0.15	7.0Ω	18R685C
10mH	0.13	12.0Ω	18R106C

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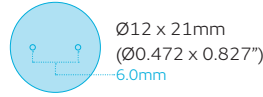


**THROUGH HOLE
UNSHIELDED**



1900R Series

Inductance:	4.7µH - 100mH
Current:	Up to 7.8A _{dc}
Operating temp:	-40°C to +95°C
Height:	21mm (0.827")



Inductance	Current	DC Resistance	Model Number
µH	A	Ω	
4.7	7.8	0.008	19R472C
6.8	6.7	0.011	19R682C
10	6.0	0.017	19R103C
15	4.8	0.022	19R153C
22	4.0	0.026	19R223C
33	3.7	0.032	19R333C
47	3.4	0.038	19R473C
68	2.9	0.055	19R683C
100	2.2	0.090	19R104C
150	1.9	0.129	19R154C
220	1.6	0.162	19R224C
330	1.34	0.240	19R334C
470	1.09	0.380	19R474C
680	0.91	0.548	19R684C
1mH	0.73	0.844	19R105C
1.5mH	0.63	1.2	19R155C
2.2mH	0.50	2.0	19R225C
3.3mH	0.42	2.5	19R335C
4.7mH	0.35	3.5	19R475C
6.8mH	0.29	5.7	19R685C
10mH	0.23	7.3	19R106C
15mH	0.19	12	19R156C
22mH	0.15	22	19R226C
33mH	0.13	26	19R336C
47mH	0.11	36	19R476C
68mH	0.09	57	19R686C
100mH	0.07	90	19R107C

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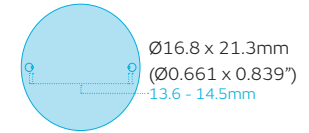


**THROUGH HOLE
UNSHIELDED**



1500 Series

Inductance:	1.0µH to 1.0mH
Current:	Up to 16.2A _{dc}
Operating temp:	-40 to +85°C
Height:	21.3mm (0.84")



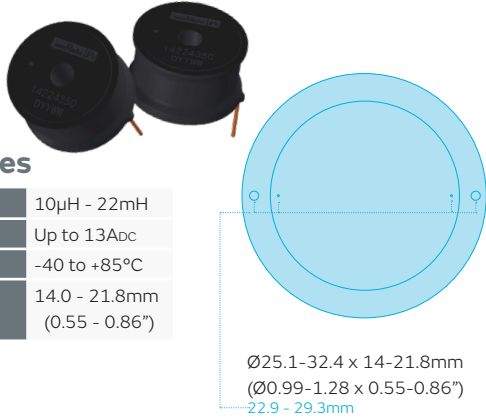
Inductance	Current	DC Resistance	Model Number
µH	A	mΩ	
1.0	16.2	2.76	15102C
1.5	14.9	3.48	15152C
2.2	15.0	4.20	15222C
3.3	11.8	5.76	15332C
4.7	11.7	6.48	15472C
6.8	10.2	8.04	15682C
10	9.01	10.6	15103C
15	7.44	15.5	15153C
22	6.80	18.8	15223C
33	5.08	31.2	15333C
47	4.04	45.6	15473C
68	3.33	70.3	15683C
100	2.62	110	15104C
150	2.28	149	15154C
220	2.08	185	15224C
330	1.71	263	15334C
470	1.40	389	15474C
680	1.12	574	15684C
1mH	0.91	887	15105C

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THROUGH HOLE
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1400 Series

Inductance:	10µH - 22mH
Current:	Up to 13A _{dc}
Operating temp:	-40 to +85°C
Height:	14.0 - 21.8mm (0.55 - 0.86")

Ø25.1-32.4 x 14-21.8mm
(Ø0.99-1.28 x 0.55-0.86")
22.9 - 29.3mm

Inductance	Current	DC Resistance	Model Number
µH	A	Ω	
10	13	0.009	1410313C
15	12	0.009	1415312C
22	11	0.014	1422311C
33	9.3	0.017	1433393C
47	8.3	0.019	1447383C
47	8.5	0.021	1447385C
68	6.2	0.032	1468362C
68	7.3	0.025	1468373C
100	5.4	0.046	1410454C
100	6.0	0.033	1410460C
100	7.8	0.040	1410478C
150	4.0	0.069	1415440C
150	4.9	0.055	1415449C
150	6.5	0.042	1415465C
220	3.5	0.096	1422435C
220	4.1	0.073	1422441C
220	5.5	0.062	1422455C
300	3.0	0.140	1430430C
300	3.3	0.100	1430433C
300	5.0	0.080	1430450C
330	2.8	0.150	1433428C
330	3.3	0.120	1433433C
330	4.5	0.091	1433445C
470	2.3	0.250	1447423C
470	2.7	0.160	1447427C
470	4.0	0.125	1447440C
680	2.0	0.300	1468420C
680	2.2	0.226	1468422C
680	3.1	0.173	1468431C
1mH	1.6	0.460	1410516C
1mH	1.7	0.336	1410517C
1mH	2.4	0.277	1410524C

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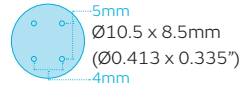


THROUGH HOLE
SHIELDED



1200LRS Series

Inductance:	6.8µH - 22mH
Current:	Up to 4.7A _{dc}
Operating temp:	-40 to +85°C
Height:	8.5mm (0.34")



Inductance	Current	DC Resistance	Model Number
µH	A	mΩ	
6.8	4.7	20	12LRS682C
10	3.4	50	12LRS103C
15	3.0	70	12LRS153C
22	2.6	90	12LRS223C
33	2.1	110	12LRS333C
47	1.7	140	12LRS473C
68	1.6	160	12LRS683C
100	1.4	200	12LRS104C
150	1.0	350	12LRS154C
220	0.78	540	12LRS224C
330	0.63	860	12LRS334C
470	0.53	1230	12LRS474C
680	0.50	1650	12LRS684C
1mH	0.40	2300	12LRS105C
1.5mH	0.31	3400	12LRS155C
2.2mH	0.28	4600	12LRS225C
3.3mH	0.20	8700	12LRS335C
4.7mH	0.18	10500	12LRS475C
6.8mH	0.15	15000	12LRS685C
10mH	0.12	24000	12LRS106C
15mH	0.095	37000	12LRS156C
22mH	0.073	70000	12LRS226C

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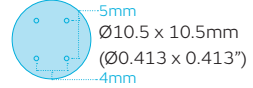


THROUGH HOLE
SHIELDED



1200RS Series

Inductance:	10µH - 1mH
Current:	Up to 4.6A _{dc}
Operating temp:	-40 to +85°C
Height:	10.5mm (0.41")



Inductance	Current	DC Resistance	Model Number
µH	A	mΩ	
10	4.6	23	12RS103C
15	4.0	36	12RS153C
22	3.3	42	12RS223C
33	2.7	57	12RS333C
47	2.2	100	12RS473C
68	1.8	150	12RS683C
100	1.4	190	12RS104C
150	1.25	230	12RS154C
220	1.10	290	12RS224C
330	0.85	510	12RS334C
470	0.72	980	12RS474C
680	0.55	1200	12RS684C
1mH	0.44	1500	12RS105C

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SURFACE MOUNT
UNSHIELDED



8200 Series

Inductance:	1.0μH - 470μH
Current:	Up to 2.0A _{DC}
Operating temp:	-40 to +85°C
Height:	2mm (0.08")

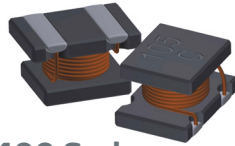
□ Ø3.2 x 2.5 x 2mm
(Ø0.126 x 0.098 x 0.08")

Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
1.0	2.0	0.058	82102C
1.5	1.4	0.068	82152C
2.2	1.1	0.104	82222C
3.3	0.95	0.138	82332C
4.7	0.80	0.190	82472C
6.8	0.64	0.270	82682C
10	0.50	0.400	82103C
15	0.40	0.560	82153C
22	0.32	0.920	82223C
33	0.27	1.30	82333C
47	0.25	1.69	82473C
68	0.20	2.55	82683C
100	0.16	3.5	82104C
150	0.13	5.9	82154C
220	0.10	8.0	82224C
330	0.08	13.5	82334C
470	0.07	16.8	82474C

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SURFACE MOUNT
UNSHIELDED



8400 Series

Inductance:	1μH - 2.2mH
Current:	Up to 2.8A _{DC}
Operating temp:	-40 to +125°C
Height:	2.6mm (0.102")

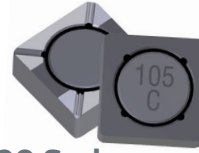
□ Ø4.5 x 3.3 x 2.6mm
(Ø0.177 x 0.130 x 0.102")

Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
1.0	2.8	0.08	84102C
1.3	2.5	0.08	84132C
2.2	2	0.09	84222C
3.3	1.5	0.12	84332C
4.7	1.3	0.15	84472C
6.8	1.05	0.2	84682C
10	0.95	0.24	84103C
15	0.75	0.45	84153C
22	0.6	0.6	84223C
33	0.55	0.86	84333C
47	0.42	1.1	84473C
68	0.38	1.6	84683C
100	0.3	2	84104C
150	0.25	3.2	84154C
220	0.2	4.6	84224C
330	0.17	6.5	84334C
470	0.14	8.5	84474C
680	0.12	11.5	84684C
1000	0.09	18	84105C
1500	0.08	27	84155C
2200	0.05	45	84225C

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SURFACE MOUNT
SHIELDED



3400 Series

Inductance:	1.2μH - 1mH
Current:	Up to 2.5A _{DC}
Operating temp:	-40° to +125°C
Height:	2.0mm (0.079")

□ Ø5.2 x 5.2 x 2.0mm
(Ø0.205 x 0.205 x 0.079")

Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
1.2	2.5	0.03	34122C
1.5	2.1	0.04	34152C
2.2	1.7	0.05	34222C
3.3	1.5	0.08	34332C
4.7	1.3	0.1	34472C
6.8	1	0.15	34682C
10	0.8	0.2	34103C
15	0.68	0.28	34153C
22	0.53	0.36	34223C
33	0.48	0.56	34333C
47	0.41	0.85	34473C
68	0.35	1.05	34683C
100	0.28	1.7	34104C
150	0.23	2.4	34154C
220	0.18	3.05	34224C
330	0.15	4.55	34334C
470	0.13	7.65	34474C
680	0.11	11.15	34684C
1000	0.09	15	34105C

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SURFACE MOUNT
UNSHIELDED



2700T Series

Inductance:	1μH - 330μH
Current:	130mA - 2A
Operating temp:	-40°C to 125°C
Height:	1.0mm (0.039")

□ Ø6.45 x 5.4 x 1.0mm
(Ø0.254 x 0.213 x 0.039")

Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
1	2	0.08	27T102C
1.5	1.6	0.1	27T152C
2.2	1.4	0.12	27T222C
3.3	1.2	0.16	27T332C
4.7	1	0.2	27T472C
6.8	0.85	0.32	27T682C
10	0.7	0.41	27T103C
15	0.6	0.55	27T153C
22	0.5	0.85	27T223C
33	0.4	1.3	27T333C
47	0.32	1.8	27T473C
68	0.28	2.5	27T683C
100	0.23	3.5	27T104C
150	0.17	5	27T154C
220	0.15	7	27T224C
330	0.13	15	27T334C

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SURFACE MOUNT

UNSHIELDED



2700 Series

Inductance:	4.7μH - 1mH
Current:	110mA - 1.6A
Operating temp:	-40°C to 125°C
Height:	1.65mm (0.065")

Ø9.0 x 7.7 x 1.65mm
(Ø0.354 x 0.303 x 0.065")

Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
4.7	1.6	0.1	27472C
6.8	1.4	0.13	27682C
10	1.1	0.15	27103C
15	0.9	0.23	27153C
22	0.75	0.3	27223C
33	0.6	0.45	27333C
47	0.5	0.7	27473C
68	0.42	0.9	27683C
100	0.35	1.3	27104C
150	0.28	2	27154C
220	0.24	3	27224C
330	0.19	4.5	27334C
470	0.16	6.5	27474C
680	0.14	8.5	27684C
1000	0.11	14	27105C

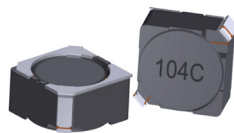
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SURFACE MOUNT

SHIELDED



2900 Series

Inductance:	1μH - 1mH
Current:	180mA - 6.0A
Operating temp:	-40°C to 85°C
Height:	4.0mm (0.157")

Ø7.2 x 7.2 x 4.0mm
(Ø0.283 x 0.283 x 0.157")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
1	6	16	29102C
1.5	5.5	18	29152C
2.2	5	20	29222C
3.3	4	28	29332C
4.7	2.3	30	29472C
6.8	2.1	40	29682C
10	1.8	45	29103C
15	1.5	65	29153C
22	1.2	85	29223C
33	1	120	29333C
47	0.85	170	29473C
68	0.65	250	29683C
100	0.53	360	29104C
150	0.47	500	29154C
220	0.38	760	29224C
330	0.32	1000	29334C
470	0.26	1600	29474C
680	0.21	2400	29684C
1000	0.18	4100	29105C

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SURFACE MOUNT

UNSHIELDED



2300 Series

Inductance:	2.2μH - 100μH
Current:	430mA - 2.1A
Operating temp:	-40°C to 85°C
Height:	3.2mm (0.126")

Ø4.5 x 4.0 x 3.2mm
(Ø0.177 x 0.157 x 0.126")

Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
2.2	2.1	0.04	232R2C
3.3	1.8	0.058	233R3C
4.7	1.48	0.068	234R7C
6.8	1.22	0.102	236R8C
10	1.02	0.138	23100C
15	0.86	0.21	23150C
22	0.74	0.361	23220C
33	0.64	0.497	23330C
47	0.55	0.683	23470C
68	0.49	1.051	23680C
100	0.43	1.281	23101C

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SURFACE MOUNT

SHIELDED



2300 Series

Inductance:	2.2μH - 220μH
Current:	250mA - 2.1A
Operating temp:	-40°C to 85°C
Height:	3.2mm (0.126")

Ø6.2 x 5.6 x 3.2mm
(0.244 x 0.220 x 0.126")

Inductance	Current	DC Resistance	Model Number
μH	A	Ω	
2.2	2.1	0.025	2352R2C
3.3	1.8	0.031	2353R3C
4.7	1.6	0.044	2354R7C
6.8	1.4	0.064	2356R8C
10	1.18	0.087	235100C
12	1.08	0.107	235120C
15	0.96	0.131	235150C
18	0.88	0.143	235180C
22	0.8	0.175	235220C
27	0.72	0.218	235270C
33	0.65	0.241	235330C
39	0.6	0.37	235390C
47	0.54	0.46	235470C
56	0.5	0.509	235560C
68	0.45	0.641	235680C
100	0.37	0.782	235101C
150	0.3	1.19	235151C
220	0.25	2.28	235221C

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SURFACE MOUNT

UNSHIELDED



2400 Series

Inductance:	2.7μH - 220μH
Current:	350mA - 2.6A
Operating temp:	-40°C to 85°C
Height:	4.5mm (0.177")

Ø5.8 x 5.2 x 4.5mm
(Ø0.228 x 0.205 x 0.177")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
2.7	2.6	39	242R7C
3.3	2.4	42	243R3C
4.7	2.1	50	244R7C
6.8	1.75	61	246R8C
10	1.44	100	24100C
12	1.36	100	24120C
15	1.3	120	24150C
18	1.26	150	24180C
22	1.11	180	24220C
33	0.88	230	24330C
47	0.72	370	24470C
68	0.61	460	24680C
100	0.52	700	24101C
150	0.4	1100	24151C
220	0.35	1570	24221C

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SURFACE MOUNT

SHIELDED



2400 Series

Inductance:	2.7μH - 220μH
Current:	350mA - 3.1A
Operating temp:	-40°C to 85°C
Height:	4.5mm (0.177")

Ø7.7 x 7.1 x 4.5mm
(Ø0.303 x 0.280 x 0.177")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
2.7	3.1	28	24S2R7C
3.3	2.8	32	24S3R3C
4.7	2.39	37	24S4R7C
6.8	2	45	24S6R8C
10	1.64	70	24S100C
12	1.5	74	24S120C
15	1.34	90	24S150C
18	1.22	91	24S180C
22	1.1	120	24S220C
33	0.9	190	24S330C
47	0.75	240	24S470C
68	0.63	370	24S680C
100	0.52	540	24S101C
150	0.42	860	24S151C
220	0.35	1310	24S221C

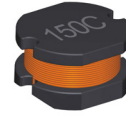
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SURFACE MOUNT

UNSHIELDED



2600 Series

Inductance:	3.3μH - 680μH
Current:	280mA - 4.4A
Operating temp:	-40°C to 85°C
Height:	5.4mm (0.21")

Ø9.0 x 10.0 x 5.4mm
(Ø0.35 x 0.39 x 0.21")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
3.3	4.4	35	263R3C
4.7	3.6	45	264R7C
6.8	3.1	54	266R8C
10	2.6	60	26100C
12	2.42	68	26120C
15	2.27	90	26150C
18	2.1	87	26180C
22	1.95	100	26220C
33	1.5	120	26330C
47	1.28	170	26470C
68	1.11	220	26680C
100	0.97	350	26101C
150	0.78	470	26151C
220	0.66	730	26221C
330	0.52	1150	26331C
470	0.42	1480	26471C
680	0.28	2250	26681C

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SURFACE MOUNT

SHIELDED



2600 Series

Inductance:	3.3μH - 680μH
Current:	400mA - 4.6A
Operating temp:	-40°C to 85°C
Height:	5.4mm (0.21")

Ø12.6 x 11.6 x 5.4
(Ø0.496 x 0.46 x 0.21")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
3.3	4.6	33	26S3R3C
4.7	3.8	38	26S4R7C
6.8	3.21	43	26S6R8C
10	2.65	50	26S100C
12	2.55	58	26S120C
15	2.45	60	26S150C
18	2.32	74	26S180C
22	2.2	70	26S220C
33	1.8	100	26S330C
47	1.5	120	26S470C
68	1.26	170	26S680C
100	1.05	250	26S101C
150	0.85	400	26S151C
220	0.7	520	26S221C
330	0.57	800	26S331C
470	0.48	1200	26S471C
680	0.4	1780	26S681C

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SURFACE MOUNT

UNSHIELDED



2200RM Series

Inductance:	10μH - 68mH
Current:	26mA - 2.52A
Operating temp:	-40°C to 85°C
Height:	7.5mm (0.295")

 Ø7.8 x 7.0 x 7.5mm
(Ø0.307 x 0.276 x 0.295")

Inductance	Current	DC Resistance	Model Number
10	2.52	0.05	22R103MC
15	2.08	0.07	22R153MC
22	1.81	0.09	22R223MC
33	1.31	0.14	22R333MC
47	0.99	0.22	22R473MC
68	0.84	0.28	22R683MC
100	0.8	0.39	22R104MC
150	0.64	0.54	22R154MC
220	0.5	0.83	22R224MC
330	0.42	1.21	22R334MC
470	0.37	1.65	22R474MC
680	0.3	2.64	22R684MC
1.0mH	0.21	3.63	22R105MC
1.5mH	0.16	6.49	22R155MC
2.2mH	0.14	8.58	22R225MC
3.3mH	0.12	10	22R335MC
4.7mH	0.1	13.2	22R475MC
6.8mH	0.077	22	22R685MC
10.0mH	0.068	37.4	22R106MC
15.0mH	0.055	49.5	22R156MC
22.0mH	0.044	82.5	22R226MC
33.0mH	0.037	110	22R336MC
47.0mH	0.033	154	22R476MC
68.0mH	0.026	242	22R686MC

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SURFACE MOUNT

SHIELDED



4500 Series

Inductance:	0.28μH - 1mH
Current:	230mA - 8A
Operating temp:	-40°C to 125°C
Height:	3.55mm (0.14")

 Ø7.3 x 7.3 x 3.55mm
(Ø0.287 x 0.287 x 0.14")

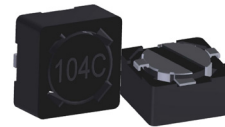
Inductance	Current	DC Resistance	Model Number
0.28	8	9	45281C
0.54	7	11	45541C
1	6	14	45102C
1.5	5.5	17	45152C
2.2	4.5	26	45222C
3.3	3.7	34	45332C
4.7	3.2	47	45472C
6.8	2.6	66	45682C
10	2.2	82	45103C
15	1.8	120	45153C
22	1.35	180	45223C
33	1.25	250	45333C
47	1.05	360	45473C
68	0.82	510	45683C
100	0.7	710	45104C
150	0.58	1000	45154C
220	0.5	1550	45224C
330	0.35	2540	45334C
470	0.32	3250	45474C
680	0.26	5000	45684C
1000	0.23	6500	45105C

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SURFACE MOUNT

SHIELDED



4600 Series

Inductance:	0.28μH - 1mH
Current:	270mA - 8.7A
Operating temp:	-40°C to 125°C
Height:	4.55mm (0.18")

 Ø7.3 x 7.3 x 4.55mm
(Ø0.287 x 0.287 x 0.18")

Inductance	Current	DC Resistance	Model Number
0.28	8.7	8	46281C
0.54	7.7	10	46541C
1	6.8	13	46102C
1.5	6.3	15	46152C
2.2	5	21	46222C
3.3	4.3	29	46332C
4.7	3.7	37	46472C
6.8	3.1	52	46682C
10	2.4	66	46103C
15	2.2	94	46153C
22	1.8	120	46223C
33	1.45	190	46333C
47	1.25	260	46473C
68	1.05	360	46683C
100	0.86	500	46104C
150	0.72	720	46154C
220	0.57	1050	46224C
330	0.46	1850	46334C
470	0.39	2800	46474C
680	0.32	3900	46684C
1000	0.27	4900	46105C

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SURFACE MOUNT

SHIELDED



4800S Series

Inductance:	1μH - 1mH
Current:	520mA - 10A
Operating temp:	-40°C to 85°C
Height:	6mm (0.236")

 Ø12.2 x 12.2 x 6.0mm
(Ø0.480 x 0.480 x 0.236")

Inductance	Current	DC Resistance	Model Number
1	10	6	481R0SC
2.2	8.2	10	482R2SC
3.3	7.3	12	483R3SC
4.7	6.3	16	484R7SC
6.8	5.1	21	486R8SC
10	4.5	28	48100SC
15	3.7	40	48150SC
22	3.1	53	48220SC
33	2.8	73	48330SC
47	2.4	100	48470SC
68	1.8	145	48680SC
100	1.6	200	48101SC
150	1.35	280	48151SC
220	1	430	48221SC
330	0.85	630	48331SC
470	0.76	900	48471SC
680	0.66	1250	48681SC
1000	0.52	1850	48102SC

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SURFACE MOUNT
SHIELDED



4900S Series

Inductance:	1μH - 1mH
Current:	500mA - 11.8A
Operating temp:	-40°C to 85°C
Height:	8.0mm (0.315")

Ø12.2 x 12.2 x 8.0mm
(Ø0.480 x 0.480 x 0.315")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
1	11.8	5	491R0SC
2.2	9.8	8	492R2SC
3.3	8.4	10	493R3SC
4.7	7.7	12	494R7SC
6.8	6.2	16	496R8SC
10	5.1	21	49100SC
15	4.4	27	49150SC
22	3.1	42	49220SC
33	2.9	60	49330SC
47	2.3	100	49470SC
68	2	143	49680SC
100	1.6	165	49101SC
150	1.3	250	49151SC
220	1.1	380	49221SC
330	0.9	550	49331SC
470	0.75	810	49471SC
680	0.62	1200	49681SC
1000	0.5	1500	49102SC

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SURFACE MOUNT
SHIELDED



4700 Series

Inductance:	1μH - 100μH
Current:	1.01A - 9.5A
Operating temp:	-40°C to 85°C
Height:	5mm (0.197")

Ø12.2 x 12.2 x 5.0mm
(Ø0.480 x 0.480 x 0.197")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
1	9.5	8.9	471R0C
2.2	6.8	13.7	472R2C
3.3	5.5	23.3	473R3C
4.7	4.6	32.4	474R7C
6.8	3.9	44.8	476R8C
10	3.2	70.2	47100C
15	2.6	106	47150C
22	2.1	165	47220C
33	1.8	207	47330C
47	1.47	298	47470C
68	1.22	456	47680C
100	1.01	686	47101C

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SURFACE MOUNT
SHIELDED



4800 Series

Inductance:	1μH - 100μH
Current:	Up to 12.3A _{DC}
Operating temp:	-40 to 85°C
Height:	6.2mm (0.244")

Ø12.2 x 12.2 x 6.2mm
(Ø0.480 x 0.480 x 0.244")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
1	12.3	9	481R0C
2.2	8.3	13.5	482R2C
3.3	6.8	19.1	483R3C
4.7	5.7	29.4	484R7C
6.8	4.7	39.9	486R8C
10	3.9	61.4	48100C
15	3.2	77.4	48150C
22	2.6	119	48220C
33	2.1	184	48330C
47	1.8	274	48470C
68	1.5	409	48680C
100	1.23	503	48101C

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SURFACE MOUNT
SHIELDED



4900 Series

Inductance:	2.2μH - 220μH
Current:	Up to 9.5A _{DC}
Operating temp:	-40 to 85°C
Height:	8.0mm (0.315")

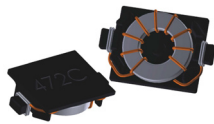
Ø12.0 x 12.0 x 8.0mm
(Ø0.472 x 0.472 x 0.315")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
2.2	9.5	12.6	492R2C
3.3	7.8	14.9	493R3C
4.7	6.5	17.1	494R7C
6.8	5.4	27	496R8C
10	4.5	41	49100C
15	3.7	53	49150C
22	3	81	49220C
33	2.5	128	49330C
47	2.1	191	49470C
68	1.71	233	49680C
100	1.41	343	49101C
150	1.15	529	49151C
220	0.95	805	49221C

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SURFACE MOUNT
UNSHIELDED



8300 Series

Inductance:	0.42μH - 100μH
Current:	Up to 3A _{DC}
Operating temp:	-40 to 85°C
Height:	1.8mm (0.071")

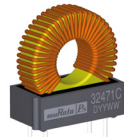
 Ø7.8 x 5.2 x 1.8mm
(Ø0.307 x 0.205 x 0.071")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
0.42	3	24	83421C
0.75	2.7	30	83751C
1.2	1.7	65	83122C
1.7	1.55	73	83172C
2.3	1.4	86	83232C
3.3	1.35	98	83332C
4.7	1.1	130	83472C
6.8	0.95	150	83682C
8.5	0.85	167	83852C
10	0.75	185	83103C
15	0.6	300	83153C
22	0.5	350	83223C
33	0.42	600	83333C
47	0.35	710	83473C
68	0.3	850	83683C
82	0.27	1250	83823C
100	0.24	1320	83104C

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THROUGH HOLE
UNSHIELDED



3200 Series

Inductance:	10μH - 1mH
Current:	Up to 4.5A _{DC}
Operating temp:	-40°C to 125°C
Height:	24mm (0.945")

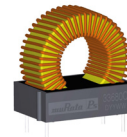
 Ø21.5 x 10.0 x 24.0mm
(Ø0.846 x 0.394 x 0.945")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
10	4.5	20	32100C
15	3.7	24	32150C
22	3	29	32220C
33	2.5	36	32330C
47	2.1	42	32470C
68	1.7	62	32680C
100	1.4	77	32101C
150	1.2	117	32151C
220	0.96	141	32221C
330	0.78	215	32331C
470	0.66	312	32471C
680	0.55	377	32681C
1000	0.45	568	32102C

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THROUGH HOLE
UNSHIELDED



3300 Series

Inductance:	10μH - 1mH
Current:	Up to 7.6A _{DC}
Operating temp:	-40°C to 125°C
Height:	31.0mm (1.22")

 Ø29.0 x 16.3 x 31.0mm
(Ø1.14 x 0.642 x 1.22")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
10	7.6	20	33100C
15	6.2	27	33150C
22	5.1	33	33220C
33	4.2	40	33330C
47	3.5	48	33470C
68	2.9	57	33680C
100	2.4	70	33101C
150	2	84	33151C
220	1.6	102	33221C
330	1.3	126	33331C
470	1.1	152	33471C
680	0.92	183	33681C
1000	0.76	221	33102C

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SURFACE MOUNT
SHIELDED



3600 Series

Inductance:	0.4μH - 4.7μH
Current:	Up to 14.5A _{DC}
Operating temp:	-40°C to 125°C
Height:	4.2mm (0.165")

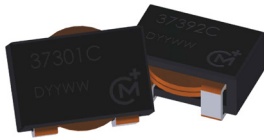
 Ø6.8 x 6.8 x 4.2mm
(Ø0.268 x 0.268 x 0.165")

Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
0.4	14.5	4	36401C
0.6	12.5	5	36601C
1.0	9.5	7.5	36102C
1.8	7.0	14	36182C
2.3	6.0	20	36232C
3.3	4.6	35	36332C
4.7	3.6	41	36472C

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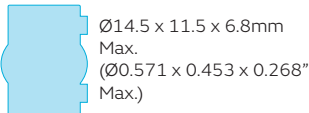


SURFACE MOUNT
UNSHIELDED



3700 Series

Inductance:	0.3μH - 3.9μH
Current:	Up to 19.5A _{dc}
Operating temp:	-40°C to 130°C
Height:	6.8mm (0.268")

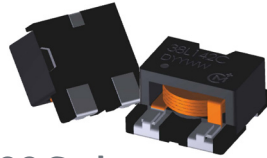


Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
0.3	19.5	0.9	37301C
0.5	19.5	1	37501C
0.95	18	1.3	37951C
1.1	14.5	2.2	37112C
1.4	16	1.9	37142C
2.2	11.5	4	37222C
2.4	12	3	37242C
3	9	4.8	37302C
3.9	10	4.2	37392C

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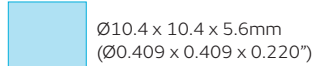


SURFACE MOUNT
UNSHIELDED



3800 Series

Inductance:	0.15μH - 8.8μH
Current:	Up to 18A _{dc}
Operating temp:	-40°C to 130°C
Height:	5.6mm (0.220")



Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
0.36	18	1.8	38L361C
0.80	16	2.5	38L801C
1.40	12	3.7	38L142C
2.20	9.6	5	38L222C
3.20	7.8	6.8	38L322C
4.30	6.8	9.7	38L432C
5.70	5.8	11.9	38L572C
7.20	5.3	15.5	38L722C
8.80	4.8	19.6	38L882C
0.22	18	2.2	38S221C
0.45	16	2.6	38S451C
0.80	12.5	3.7	38S801C
1.30	10.5	5	38S132C
1.80	9	6.8	38S182C
2.50	7.2	9.7	38S252C
3.20	6.5	11.9	38S322C
4.00	5.5	15.1	38S402C
5.00	4.9	20.3	38S502C
0.15	18	1.9	38H151C
0.30	16	2.2	38H301C
0.50	12.5	3.7	38H501C
0.80	10.5	5	38H801C
1.20	9	6.8	38H122C
1.50	7.2	9.5	38H152C
2.00	6.5	11.8	38H202C
2.50	5.5	15.1	38H252C
3.00	4.9	19.4	38H302C

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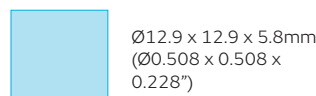


SURFACE MOUNT
UNSHIELDED



3900 Series

Inductance:	0.35μH to 10μH
Current:	Up to 19.5A _{dc}
Operating temp:	-40°C to 125°C
Height:	5.8mm (0.228")



Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
0.68	19.5	1.9	39S681C
1.50	13.5	2.5	39S152C
2.50	10	3.9	39S252C
4.00	8.3	5.4	39S402C
6.00	6.7	8	39S602C
8.20	5.8	11.4	39S822C
10.0	5	13.5	39S103C
0.47	19.5	1.9	39H471C
1.00	17.5	2.5	39H102C
1.80	13.5	3.9	39H182C
2.80	11	5.4	39H282C
4.00	9.7	8	39H402C
5.60	8.2	11.4	39H562C
7.20	6.6	13.5	39H722C
0.35	19.5	1.9	39U351C
0.80	18	2.5	39U801C
1.40	13.5	3.9	39U142C
2.20	11	5.4	39U222C
3.20	9.7	8	39U322C
4.30	8.2	11.4	39U432C
5.60	6.6	13.5	39U562C

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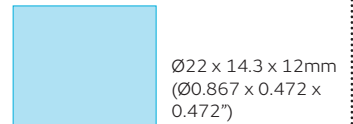


SURFACE MOUNT
UNSHIELDED



6000A Series

Inductance:	5.8μH - 57.8μH
Current:	Up to 14.5A _{dc}
Operating temp:	-40 to 85°C
Height:	12mm (0.472")



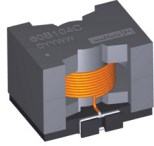
Inductance	Current	DC Resistance	Model Number
μH	A	mΩ	
5.8	14.5	5	60A582C
7.8	13.5	6	60A782C
10.2	12	7	60A103C
16.0	9.6	9	60A163C
19.4	8.5	11	60A193C
23.0	8.4	12	60A233C
27.0	7.5	15	60A273C
31.4	6.8	18	60A313C
36.0	6.4	20	60A363C
41.0	5.6	26	60A413C
57.8	4.9	36	60A583C

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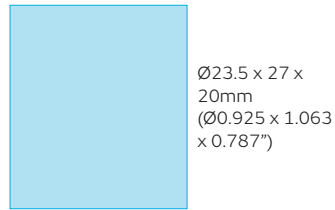
SURFACE MOUNT

SHIELDED



6000B Series

Inductance:	47µH - 680µH
Current:	Up to 10.5A _{DC}
Operating temp:	-40°C to 85°C
Height:	20mm (0.787")



Inductance	Current	DC Resistance	Model Number
µH	A	mΩ	
47	10.5	13	60B473C
68	9.0	17	60B683C
100	7.5	25	60B104C
150	6.0	38	60B154C
220	5.0	50	60B224C
330	4.0	80	60B334C
470	3.5	100	60B474C
680	3.0	135	60B684C

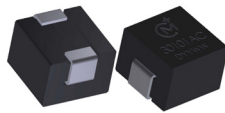
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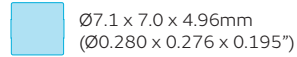
SURFACE MOUNT

SHIELDED



3000A Series

Inductance:	80nH - 191nH
Current:	Up to 37A _{DC}
Operating temp:	-40°C to 130°C
Height:	4.96mm (0.195")



Inductance	Current	DC Resistance	Model Number
nH	A	mΩ	
80	37	0.19	30800AC
97	36	0.2	30101AC
145	29	0.19	30151AC
191	22	0.21	30201AC

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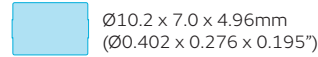
SURFACE MOUNT

SHIELDED



3000B Series

Inductance:	85nH - 200nH
Current:	Up to 37A _{DC}
Operating temp:	-40°C to 130°C
Height:	4.96mm (0.195")



Inductance	Current	DC Resistance	Model Number
nH	A	mΩ	
85	37	0.29	30850BC
100	37	0.29	30101BC
114	37	0.29	30121BC
154	37	0.29	30151BC
200	29	0.29	30221BC

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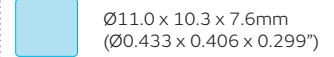
SURFACE MOUNT

SHIELDED



3000D Series

Inductance:	90nH - 155nH
Current:	Up to 40A _{DC}
Operating temp:	-40°C to 125°C
Height:	7.60mm (0.299")



Inductance	Current	DC Resistance	Model Number
nH	A	mΩ	
90	40	0.28	30900DC
105	40	0.28	30111DC
125	40	0.28	30131DC
155	40	0.28	30161DC

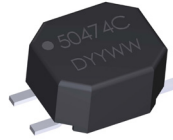
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Common Mode Chokes

**SURFACE MOUNT
TOROIDAL**



5000 Series

Inductance:	0.47mH - 4.7mH
Current:	Up to 0.7A _{dc}
Operating temp:	-40 to 85°C
Height:	4.4mm (0.173")



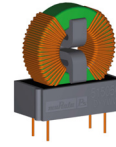
Ø9.3 x 5.9 x 4.4mm
(Ø0.366 x 0.232 x 0.173")

Inductance	Current	DC Resistance	Model Number
mH	mA	Ω	
0.47	700	0.30	50474C
1.00	700	0.30	50105C
2.20	500	0.40	50225C
4.70	400	0.70	50475C

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**THROUGH HOLE
TOROIDAL**



5100 Series

Inductance:	0.5mH - 5.0mH
Current:	Up to 4.1A _{dc}
Operating temp:	-40°C to 125°C
Height:	24mm (0.945")



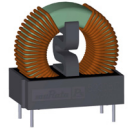
Ø21.0 x 10.0 x 24mm
(Ø0.827 x 0.394 x 0.945")

Inductance	Current	DC Resistance	Model Number
mH	A	mΩ	
0.5	4.1	27	51504C
1.0	3.3	38	51105C
3.0	1.9	97	51305C
5.0	1.2	197	51505C

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**THROUGH HOLE
TOROIDAL**



5200 Series

Inductance:	3.0mH - 10mH
Current:	Up to 3.5A _{dc}
Operating temp:	-40°C to 125°C
Height:	31mm (1.22")



Ø25.5 x 16.3 x 31mm
(Ø1 x 0.642 x 1.22")

Inductance	Current	DC Resistance	Model Number
mH	A	mΩ	
3.0	3.5	45	52305C
5.0	2.4	91	52505C
7.0	2.2	107	52705C
10.0	1.7	193	52106C

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**SURFACE MOUNT
TOROIDAL**



5000A Series

Inductance:	0.05mH - 4.7mH
Current:	Up to 0.84ADC
Operating temp:	-40 to 125°C
Height:	4.8mm (0.189")



Ø9.0 x 6.0 x 4.8mm
(Ø0.354 x 0.236 x 0.189")

Inductance	Current	DC Resistance	Model Number
0.051	800	0.168	50503AC
0.051	800	0.168	50513AC
0.47	700	0.36	50474AC
1.0	700	0.36	50105AC
2.2	500	0.48	50225AC
4.7	400	0.84	50475AC

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General Purpose Pulse
Transformers

THROUGH HOLE

GENERAL PURPOSE PULSE TRANSFORMERS



766 Series

Inductance:	Up to 3200µH
Isolation Voltage Max:	500Vrms
Operating temp:	0°C to +70°C
Height:	6.35mm (0.250")

Ø12.7 x 8.89 x 6.35mm
(Ø0.500 x 0.350 x 0.250")

Model Number	Turns Ratio ±2%	Min. Primary Inductance	Min. Primary Constant, ET	Max. Leakage Inductance	Max. Interwinding Capacitance	Max. DC Resistance
		µH	Vµs	µH	pF	Ω
76601/1C	1:1	1916	17.5	0.60	49	1.50
76601/2C	1:1	492	8.5	0.30	22	0.80
76601/3C	1:1	219	5.5	0.25	12	0.50
76602/1C	1:1	2060	17.5	0.60	72	1.50
76611/2C	4:1	643	9.92	1.7	13	0.80
76615/1C	1CT:1CT	3200	45	4.00	52	1.00

Download full datasheet:

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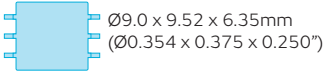
THROUGH HOLE

GENERAL PURPOSE PULSE TRANSFORMERS



786 Series

Primary Inductance:	Up to 10mH
Isolation Voltage:	1000Vrms
Operating temp:	0°C to +70°C
Height:	6.35mm (0.250")



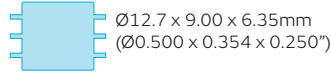
SURFACE MOUNT

GENERAL PURPOSE PULSE TRANSFORMERS



786J Series

Inductance:	Up to 10mH
Isolation Voltage Max:	1000Vrms
Operating temp:	-40°C to +85°C
Height:	6.35mm (0.250")



Model Number	Turns Ratio	Min. Primary Inductance	Min. Primary Constant, ET	Typ. Leakage Inductance	Typ. Interwinding Capacitance	Max. Primary DC Resistance
		µH	Vµs	µH	pF	Ω
78601/4C	1:1	67	4	0.19	8	0.17
78601/3C	1:1	200	6	0.2	14	0.25
78601/2C	1:1	500	10	0.25	22	0.34
78601/8C	1:1	1000	15	0.29	35	0.45
78601/1C	1:1	2000	20	0.47	49	0.6
78601/16C	1:1	4000	28	0.47	78	0.84
78601/9C	1:1	10000	56	0.86	121	1.3
78602/4C	1:1:1	67	4	0.11	12	0.18
78602/3C	1:1:1	200	6	0.17	19	0.24
78602/2C	1:1:1	500	10	0.27	32	0.34
78602/8C	1:1:1	1000	15	0.35	47	0.46
78602/1C	1:1:1	2000	20	0.6	72	0.66
78602/16C	1:1:1	4000	28	0.71	116	0.92
78602/9C	1:1:1	10000	56	0.71	167	1.34
78604/4C	2:1	67	4	0.41	4	0.18
78604/3C	2:1	200	6	0.49	9	0.25
78604/2C	2:1	500	10	0.65	13	0.34
78604/8C	2:1	1000	15	0.76	20	0.46
78604/1C	2:1	2000	20	0.99	29	0.6
78604/16C	2:1	4000	28	1.61	50	0.85
78604/9C	2:1	10000	56	1.64	72	1.23
78613/4C	1CT:1	67	4	0.3	7	0.2
78613/3C	1CT:1	200	6	0.65	12	0.25
78613/2C	1CT:1	500	10	1.07	20	0.36
78613/8C	1CT:1	1000	15	1.13	35	0.48
78613/1C	1CT:1	2000	20	1.53	47	0.63
78613/16C	1CT:1	4000	28	1.98	64	0.88
78613/9C	1CT:1	10000	56	3.83	72	1.33
78615/4C	1CT:1CT	67	4	1.21	3	0.17
78615/3C	1CT:1CT	200	6	3.64	5	0.24
78615/2C	1CT:1CT	500	10	6.86	7	0.34
78615/8C	1CT:1CT	1000	15	11.9	10	0.45
78615/1C	1CT:1CT	2000	20	16	16	0.6
78615/16C	1CT:1CT	4000	28	37.7	20	0.87
78615/9C	1CT:1CT	10000	56	44.5	19	1.33

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Model Number	Turns Ratio	Min. Primary Inductance	Min. Primary Constant, ET	Typ. Leakage Inductance	Typ. Interwinding Capacitance	Max. Primary DC Resistance	Model Number	Turns Ratio	Min. Primary Inductance	Min. Primary Constant, ET	Typ. Leakage Inductance	Typ. Interwinding Capacitance	Max. Primary DC Resistance
		µH	Vµs	µH	pF	Ω			µH	Vµs	µH	pF	Ω
78601/4JC	1:1	58	4	0.19	8	0.17	78604/8JC	2:1	850	15	0.76	20	0.46
78601/3JC	1:1	150	6	0.2	14	0.25	78604/1JC	2:1	1840	20	0.99	29	0.6
78601/2JC	1:1	350	10	0.25	22	0.34	78604/16JC	2:1	3300	28	1.61	50	0.85
78601/8JC	1:1	850	15	0.29	35	0.45	78604/9JC	2:1	10000	56	2.3	72	1.23
78601/1JC	1:1	2000	20	0.47	49	0.6	78613/4JC	1CT:1	50	4	0.3	7	0.2
78601/16JC	1:1	3650	28	0.69	78	0.84	78613/3JC	1CT:1	190	6	0.65	12	0.25
78601/9JC	1:1	10000	56	0.93	121	1.3	78613/2JC	1CT:1	490	10	1.07	20	0.36
78602/4JC	1:1:1	53	4	0.11	12	0.18	78613/8JC	1CT:1	980	15	1.13	35	0.48
78602/3JC	1:1:1	180	6	0.17	19	0.24	78613/1JC	1CT:1	2000	20	1.7	47	0.63
78602/2JC	1:1:1	380	10	0.27	32	0.34	78613/16JC	1CT:1	3200	28	2.8	64	0.88
78602/8JC	1:1:1	970	15	0.37	47	0.46	78613/9JC	1CT:1	10000	56	3.83	72	1.33
78602/1JC	1:1:1	1890	20	0.65	72	0.66	78615/4JC	1CT:1CT	65	4	1.21	3	0.17
78602/16JC	1:1:1	3350	28	0.71	116	1.2	78615/3JC	1CT:1CT	190	6	3.64	5	0.24
78602/9JC	1:1:1	10000	56	0.71	167	1.8	78615/2JC	1CT:1CT	500	10	6.86	7	0.34
78604/4JC	2:1	65	4	0.41	4	0.18	78615/8JC	1CT:1CT	1000	15	11.9	10	0.45
78604/3JC	2:1	160	6	0.49	9	0.25	78615/1JC	1CT:1CT	1700	20	16	16	0.6
78604/2JC	2:1	500	10	0.65	13	0.34	78615/16JC	1CT:1CT	3700	28	37.7	20	0.92
							78615/9JC	1CT:1CT	10000	56	52.5	19	1.45

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THROUGH HOLE

GENERAL PURPOSE PULSE TRANSFORMERS



1000 Series

Inductance:	Up to 24mH
Isolation Voltage Max:	Up to 4000Vrms
Operating temp:	0°C to +70°C
Height:	15.75mm (0.620")



Ø15.06 x 15.06 x 15.75mm
(Ø0.593 x 0.593 x 0.620")

Model Number	Turns Ratio ±2%	Min. Primary Inductance	Min. Primary Constant, ET	Max. Leakage Inductance	Max. Interwinding Capacitance	Max. Primary DC Resistance
		mH	Vµs	µH	pF	Ω
1001C	1:1	3.0	200	32	23	1.2
1002C	1:1:1	3.0	200	30	51	1.4
1003C	2:1:1	12	400	62	58	5
1013C	1:1:1	3.0	200	3	585	2
1016C	1:1	3.0	200	22	23	1.2
1017C	1:1	0.8	130	5	20	0.4
1025C	2:1:1	24	570	90	83	8.7

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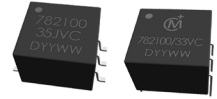
www.murata.com/products/productdata/8816045522974/kmp-1000.pdf?1648429826000



Application Specific Transformers

THROUGH HOLE

APPLICATION SPECIFIC TRANSFORMERS



PE22100 Compatible

782100 Series

Features:	
PE22100 compatible	
Isolation to 4kVDC	
Industry-standard pinout	
Height:	6.35mm (0.250")



Ø9.14 x 9.77 x 6.35mm
(Ø0.360 x 0.385 x 0.250")

Model Number	Turns Ratio	Min. Primary Inductance	Min. Primary Constant, ET	Max. Leakage Inductance	Max. Interwinding Capacitance	Max. Primary DC Resistance
		µH	Vµs	µH	pF	mΩ
782100/33VC	1CT:1.33CT	190	13	8	11	600
782100/53VC	1.14CT:1CT	150	13	8	8	600
782100/35JC	1:2.14	110	18	5	8	600
782100/55JVC	1:1.33	170	25	8	8	600

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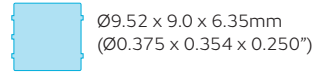
THROUGH HOLE
APPLICATION SPECIFIC TRANSFORMERS



MAX250/MAX251 Compatible

78250 Series

- Features:**
- MAX250/MAX251 compatible
 - Isolation to 4kVrms
 - Industry-standard pinout
 - Height:** 6.35mm (0.250")



Model Number	Turns Ratio ±2%	Min. Primary Inductance		Max. Leakage Inductance	Typ. Interwinding Capacitance	Max. Primary DC Resistance
		mH	Vµs			
78250C	1CT:1CT	1.0	50	3.0	69	2.0
78250VC	1CT:1CT	1.0	50	40	9	1.8

Download full datasheet:

www.murata.com/products/productdata/8816045948958/kmp-78250.pdf?1648429826000



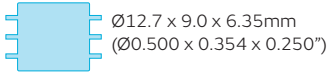
SURFACE MOUNT
APPLICATION SPECIFIC TRANSFORMERS



MAX250/MAX251 Compatible

78250J Series

- Features:**
- Maxim MAX250/MAX251 compatible
 - Isolation to 4kVrms
 - Surface mount option
 - Height:** 6.35mm (0.250")



Model Number	Turns Ratio ±2%	Min. Primary Inductance		Max. Leakage Inductance	Typ. Interwinding Capacitance	Max. Primary DC Resistance
		mH	Vµs			
78250JC	1CT:1CT	1.0	50	3.0	48	2.0
78250JVC	1CT:1CT	1.0	50	40	4	1.8

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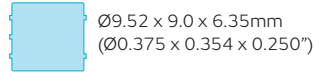
THROUGH HOLE
APPLICATION SPECIFIC TRANSFORMERS



MAX253 Compatible

78253 Series

- Features:**
- Maxim MAX253 compatible
 - 3.3V and 5V versions
 - Isolation to 4kVDC
 - Height:** 6.35mm (0.250")



Model Number	Turns Ratio ±2%	Min. Primary Inductance		Max. Leakage Inductance	Typ. Interwinding Capacitance	Max. Primary DC Resistance
		mH	Vµs			
78253/35C	1:2.27	0.30	30	1.00	30	1.00
78253/55C	1:1.31	0.60	40	1.00	30	1.50
78253/35VC	1:2.14	110	18	5.00	4.20	0.50
78253/55VC	1:1.33	190	25	8.00	4.20	0.60

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SURFACE MOUNT

APPLICATION SPECIFIC TRANSFORMERS



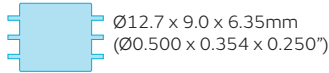
MAX253 Compatible

78253J Series

Features:

- Maxim MAX253 compatible
- 3.3V and 5V versions
- Isolation to 4kVDC

Height: 6.35mm (0.250")



Model Number	Turns Ratio ±2%	Min. Primary Inductance		Min. Primary Constant, ET		Typ. Interwinding Capacitance	Max. Primary DC Resistance
		mH	Vµs	µH	pF		
78253/35JC	1:2.27	0.27	30	1.00	24	1.00	
78253/55JC	1:1.31	0.57	40	1.00	30	1.50	
78253/35JVC	1:2.14	0.11	18	5.00	2	0.50	
78253/55JVC	1:1.33	0.17	25	8.00	3.4	0.60	

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THROUGH HOLE

APPLICATION SPECIFIC TRANSFORMERS



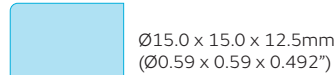
EN Approved
MAX250/
MAX251/253

**76250ENC,
76253/XXENC**

Features:

- Maxim MAX250/MAX251/MAX253 compatible
- EN62368-1 approved
- Isolation to 6kVDC

Height: 12.5mm (0.492")



Model Number	Turns Ratio ±2%	Min. Primary Inductance		Min. Primary Constant, ET		Typ. Interwinding Capacitance	Max. Primary DC Resistance
		mH	Vµs	µH	pF		
76250ENC	1CT:1	1.0	50	40	1.5	2.0	
76253/35ENC	1:√5	0.14	25	7.0	2.7	0.8	
76253/55ENC	1:1.33	0.08	30	10	2.7	0.9	

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THROUGH HOLE

APPLICATION SPECIFIC TRANSFORMERS



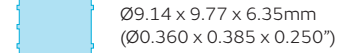
ADM2482E /
ADM2487E
Compatible

782482 Series

Features:

- Analog Devices ADM2482E/ADM2487E compatible
- 4.0kVDC isolation
- Industry-standard pinout

Height: 6.35mm (0.250mm)



Model Number	Turns Ratio ±2%	Min. Primary Inductance		Min. Primary Constant, ET		Typ. Interwinding Capacitance	Max. Primary DC Resistance
		µH	Vµs	µH	pF		
782482/33VC	1CT:1.33CT	190	13	8	8	600	
782482/53VC	1.14CT:1CT	150	13	8	8	600	

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THROUGH HOLE

APPLICATION SPECIFIC TRANSFORMERS



ADM2485 Compatible
782485 Series

Features:

- Analog Devices ADM2485 compatible
- 2.5kVrms isolation
- Industry-standard pinout

Height: 6.35mm (0.250")

Ø9.14 x 9.77 x 6.35mm
(Ø0.360 x 0.385 x 0.250")

Model Number	Turns Ratio ±2%	Typ. Primary Inductance		Typ. Leakage Inductance	Max. Interwinding Capacitance	Max. Primary DC Resistance
		µH	Vµs			
782485/35C	1CT:2.2CT	234	12	168	50	500
782485/55C	1CT:1.5CT	513	19	192	50	600

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THROUGH HOLE

APPLICATION SPECIFIC TRANSFORMERS



For Digital Audio
DA100 Series

Features:

- Compatible with leading chip sets
- 2kVrms isolation
- Industry-standard pinout

Height: 6.35mm (0.250")

Ø9.52 x 9.0 x 6.35mm
(Ø0.375 x 0.354 x 0.250")

Model Number	Turns Ratio	Primary Inductance	Max. Leakage Inductance (100kHz, 10mV)	Min. Volt-time Product, ET	Min. Return Loss (100kHz-3MHz)	Typ. Common Mode Rejection (100kHz, 110Ω)	Isolation (Flash tested for 1 second)
DA101C	1:1	1.00 - 2.06	0.26	15	46.80	52.10	
DA102C	1:1	2.00 - 3.90	0.65	20	40.40	49.70	2000
DA103C	1:1	4.00 - 7.75	0.91	28	36.30	46.40	

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SURFACE MOUNT

APPLICATION SPECIFIC TRANSFORMERS



For Digital Audio
DA100J Series

Features:

- J-STD-020D reflow
- Compatible with leading chip sets
- 2kVrms isolation

Height: 6.35mm (0.250")

Ø12.7 x 9.0 x 6.35mm
(Ø0.500 x 0.354 x 0.250")

Model Number	Turns Ratio	Primary Inductance	Max. Leakage Inductance (100kHz, 10mV)	Min. Volt-time Product, ET	Min. Return Loss (100kHz-3MHz)	Typ. Common Mode Rejection (100kHz, 110Ω)	Isolation (Flash tested for 1 second)
DA101JC	1:1	1.00 - 2.20	0.36	15	34.6	55.9	
DA102JC	1:1	1.90 - 4.00	0.49	20	38.8	52.4	2000
DA103JC	1:1	3.20 - 8.50	0.91	28	34.9	48.5	

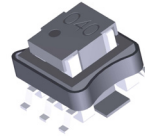
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Current Sensing Transformers

SURFACE MOUNT
CURRENT SENSING TRANSFORMERS



5300 Series

Features:

- Primary current rating 10A
- 20 to 200 turn variants
- Primary to secondary isolation 500Vrms

Height: 5.4mm (0.213")



Ø8.3 x 7.2 x 5.4mm
(Ø0.327 x 0.283 x 0.213")

Model Number	Turns Ratio	Min. Secondary Inductance	Max. DC Resistance		Isolation Voltage ¹	Terminating Resistance to produce 1VOUT/1AIN
			Primary (8-7)	Secondary (1-3)		
			mH	mΩ		
53020C	1:20	0.08	7.0	0.55	500	20
53030C	1:30	0.18	7.0	0.85	500	30
53040C	1:40	0.32	7.0	1.10	500	40
53050C	1:50	0.50	7.0	1.75	500	50
53060C	1:60	0.72	7.0	2.20	500	60
53070C	1:70	0.98	7.0	4.50	500	70
53100C	1:100	2.00	7.0	5.60	500	100
53125C	1:125	3.00	7.0	7.50	500	125
53150C	1:150	4.50	7.0	17.50	500	150
53200C	1:200	8.00	7.0	34.00	500	200

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SURFACE MOUNT
CURRENT SENSING TRANSFORMERS



5400 Series

Features:

- Primary current rating 15A
- 50, 100 and 200 turn variants
- Frequency range 50kHz to 500kHz

Height: 8.2mm (0.323")



Ø10.8 x 9.0 x 8.2mm
(Ø0.425 x 0.354 x 0.323")

Model Number	Turns Ratio	Min. Secondary Inductance (0.1V @ 10kHz)	Max. DC Resistance		Isolation Voltage ¹ (Pri-Sec)	Terminating Resistance to produce 1VOUT/1AIN
			Primary (1-6, 2-5)	Secondary (3-4)		
			mH	mΩ		
54050C	1:1:50	3.8	7.0	0.5	1.2	50
54100C	1:1:100	14.8	7.0	3.2	1.2	100
54200C	1:1:200	60.0	7.0	6.6	1.2	200

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THROUGH HOLE

CURRENT SENSING TRANSFORMERS



5600 Series

Features:

50, 100, 200 & 300 Turn variants

Primary current rating 10A

20kHz-200kHz frequency range

Height: 20.19mm (0.795")

Ø8.89 x 16.79 x 20.19mm
(Ø0.350 x 0.661 x 0.795")

Model Number	Number of Turns	Inductance Min.	DC Resistance	Terminating Resistance to Produce 1VOUT/1AIN
	±1Turn	Pins 1&3	Pins 1&3, Ω	Ω
56050C	50	4.5mH @1V, 50kHz	0.133 - 0.199	50
56100C	100	18mH @1V, 50kHz	0.93 - 1.40	100
56200C	200	72mH @1V, 10kHz	1.87 - 2.81	200
56300C	300	160mH @1V, 10kHz	5.73 - 8.59	300
56T100C	100CT	18mH @1V, 50kHz	0.93 - 1.40	100
56T200C	200CT	72mH @1V, 10kHz	1.87 - 2.81	200
56T300C	300CT	160mH @1V, 10kHz	5.73 - 8.59	300

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Global locations

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